Spring 1-2003

PSYC 220.01: Psychological Statistics

Ann C. Szalda-Petree
The University of Montana

Psychology 220 – Psychological Statistics
Course Syllabus – Spring, 2003

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Office Hours: Mondays, Wednesdays, and Fridays: 2:00 – 2:45, and by appointment. The best way to contact me is via email.

Course Objectives: After completing this course, you should be able to:

(1) Demonstrate a basic understanding of descriptive and inferential statistics.

(2) Determine which statistical test should be used to address a particular research question.

(3) Use SPSS to conduct basic statistical analyses.

Grades: Grades will be based on three components: (1) ten 10-point quizzes (at the end of class each Friday) which will assess your knowledge of lecture material and book chapters, (2) a 100-point final exam covering all areas of the course and (3) ten 5-point lab homework assignments (more information regarding lab assignments will be given during your lab section). There are a total of 250 points and the following scale will be used.

225-250 (90-100%)	A
200-224 (80-89%)	B
175-199 (70-79%)	C
150-174 (60-69%)	D
000-149 (0-59%)	F

Opportunities will be presented for roughly 5 extra credit points.

Course Format: *Lectures* As we begin each section, problems will be assigned from the end of the chapter but not collected. Questions regarding lecture material or problems are welcome at any time. *Labs* During your lab section you will apply the principles learned during lecture to real data using the SPSS statistical package. Ten of the 14 lab sessions will have a homework assignment that you will be required to turn in at the beginning of your lab the following week.

Schedule:

This is a tentative schedule. It is possible that we will spend slightly more time on the earlier chapters and less on the latter ones, if I perceive that we are moving too quickly at the beginning of the semester (feel free to let me know if you think this is the case).

Week	Chapter	Topic
Jan. 27 – Jan. 31	1, 2	Introduction, Describing Data with Tables
Feb. 3 – Feb. 7	3, 4	Describing Data with Graphs and Averages
Feb. 10 – Feb 14	5, 6	Describing Variability and Normal Distributions
Feb. 19 – Feb. 21 (no mon.)	7, 8	Applications of Normal Distributions and z-scores
Feb. 24 – Feb. 28	9, 10	Correlation and Regression
Mar. 3 – Mar. 7	11, 12	Populations, Samples, and Probability
Mar. 10 – Mar. 14	13	Sampling Distribution of the Mean
Mar. 17 – Mar. 21		SPRING BREAK
Mar. 24 – Mar. 28	14, 15	Hypothesis Testing and the z-test
Mar. 31 – Apr. 4	16, 17	Errors and Estimation
Apr. 7 – Apr. 11	18, 19	One-sample and Two-sample t-tests
Apr. 14 – Apr. 18	20, 21	Dependent t-tests and More on Hypothesis Tests
Apr. 21 – Apr. 25	22	One-way ANOVA
Apr. 28 – May 2	23	Factorial ANOVA
May 5 – May 9	24, 25	Non-parametric Tests, Review
May 13 – May 17		Final's Week

Notes:

1. February 14 is the last day to drop classes. After that date, no petitions to drop the course will be signed and no Incompletes will be given except in emergency situations.

2. The University of Montana provides certain services for students with disabilities. Students with disabilities have the responsibility to declare their disability to me at the beginning of the course if they require accommodations. Such students have the responsibility to arrange for such accommodations with Disability Services for Students